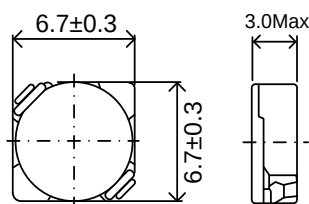




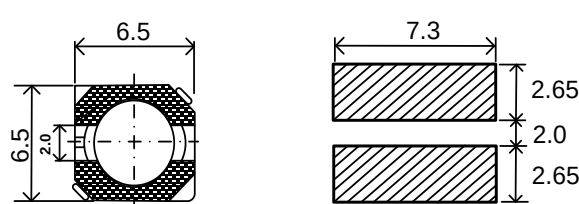
Type: FDRH6D28



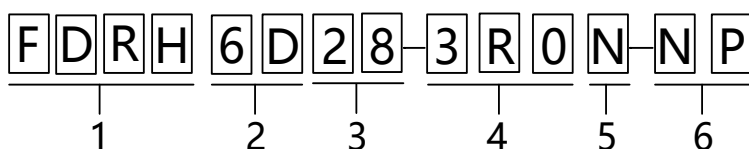
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



## PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : FDRH (shield/屏蔽)
2. Body length/產品長度 : mm
3. Body height/產品高度 : mm
4. Inductance/感量 :  $\mu\text{H}$
5. Tolerance/公差 : M  $\pm 20\%$ , N  $\pm 30\%$
6. RoHS Compliant(SGS Certified)

本產品滿足環境保護要求(有害物質限用)



## FEATURES:

- Quantity/reel:1500PCS.
- Square 6.7mm type(7.0mm Max),Height 3.0mm Max.
- Magnetically shielded construction.
- Suitable for reflow soldering.
- Widely use in DC-DC converter/LCD TV/Notebook/PDA/Digital camera/Portable CDR-W etc.

## 特長:

- 數量/卷:1500PCS.
- 方形6.7mm(7.0mm Max),高度3.0mm Max.
- 閉磁路構造設計.
- 適用於回流焊SMT工藝.
- 廣泛應用於升降壓轉換器/液晶顯示器/筆記本電腦/個人掌上記事本/數碼相機/便攜式光碟機等.

## ELECTRICAL CHARACTERISTICS/電氣特性

| Part NO.<br>品名 | Inductance<br>電感量( $\mu\text{H}$ ) | Tolerance<br>公差(%) | DC Resistance<br>直流電阻Max( $\Omega$ ) | Rated Current<br>額定電流Max(A) |
|----------------|------------------------------------|--------------------|--------------------------------------|-----------------------------|
| FDRH6D28-3R0   | 3.0                                | N                  | 0.024                                | 3.00                        |
| FDRH6D28-3R9   | 3.9                                | N                  | 0.027                                | 2.60                        |
| FDRH6D28-5R0   | 5.0                                | N                  | 0.031                                | 2.40                        |
| FDRH6D28-6R0   | 6.0                                | N                  | 0.035                                | 2.25                        |
| FDRH6D28-7R3   | 7.3                                | N                  | 0.054                                | 2.10                        |
| FDRH6D28-8R6   | 8.6                                | N                  | 0.058                                | 1.85                        |
| FDRH6D28-100   | 10                                 | M                  | 0.065                                | 1.70                        |
| FDRH6D28-120   | 12                                 | M                  | 0.070                                | 1.55                        |
| FDRH6D28-150   | 15                                 | M                  | 0.084                                | 1.40                        |
| FDRH6D28-180   | 18                                 | M                  | 0.095                                | 1.32                        |
| FDRH6D28-220   | 22                                 | M                  | 0.128                                | 1.20                        |
| FDRH6D28-270   | 27                                 | M                  | 0.142                                | 1.05                        |
| FDRH6D28-330   | 33                                 | M                  | 0.165                                | 0.97                        |
| FDRH6D28-390   | 39                                 | M                  | 0.210                                | 0.86                        |
| FDRH6D28-470   | 47                                 | M                  | 0.238                                | 0.80                        |
| FDRH6D28-560   | 56                                 | M                  | 0.277                                | 0.73                        |
| FDRH6D28-680   | 68                                 | M                  | 0.304                                | 0.65                        |
| FDRH6D28-820   | 82                                 | M                  | 0.390                                | 0.60                        |
| FDRH6D28-101   | 100                                | M                  | 0.535                                | 0.54                        |
| FDRH6D28-121   | 120                                | M                  | 0.750                                | 0.51                        |
| FDRH6D28-151   | 150                                | M                  | 0.950                                | 0.47                        |
| FDRH6D28-181   | 180                                | M                  | 1.200                                | 0.41                        |
| FDRH6D28-221   | 220                                | M                  | 1.500                                | 0.37                        |
| FDRH6D28-271   | 270                                | M                  | 1.700                                | 0.33                        |
| FDRH6D28-331   | 330                                | M                  | 2.150                                | 0.28                        |
| FDRH6D28-391   | 390                                | M                  | 2.250                                | 0.27                        |

Inductance Range/電感範圍:3.0~1000  $\mu\text{H}$

Operating Temperature/工作溫度:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Storage Temperature/儲存溫度:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

(1) Test frequency :100KHz/0.1V;

(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 35%, or temperature to rise by  $40^{\circ}\text{C}$ , whichever is smaller (At ambient reference temperature:  $25^{\circ}\text{C}$ ).

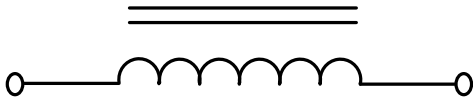
(1) 電感測試頻率:100KHz/0.1V;

(2) 最大容許電流定義:電感下降35%或溫度上升 $40^{\circ}\text{C}$ 時,取其小值作為最大容許電流(周圍環境溫度 $25^{\circ}\text{C}$ ).

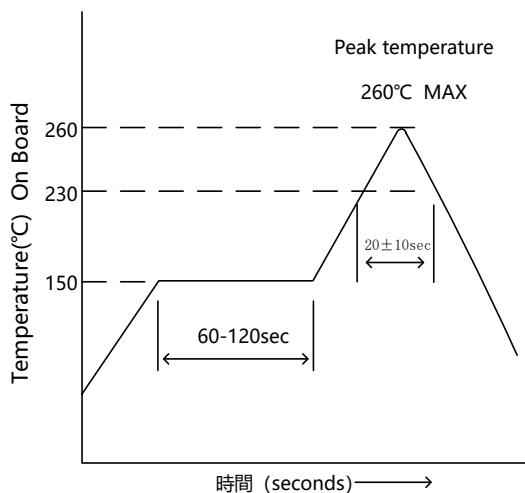


| Part NO.<br>品名 | Inductance<br>電感量(μH) | Tolerance<br>公差(%) | DC Resistance<br>直流電阻Max(Ω) | Rated Current<br>額定電流Max(A) |
|----------------|-----------------------|--------------------|-----------------------------|-----------------------------|
| FDRH6D28-471   | 470                   | M                  | 3.150                       | 0.21                        |
| FDRH6D28-561   | 560                   | M                  | 3.750                       | 0.20                        |
| FDRH6D28-681   | 680                   | M                  | 5.510                       | 0.20                        |
| FDRH6D28-102   | 1000                  | M                  | 5.950                       | 0.15                        |

## Electrical Schematic/原理圖



## Recommended Temperature Conditions of Air Reflow Soldering/推薦回流焊溫度條件



**In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.**

除了這裡顯示的標準品之外,可根據客戶要求進行設計.

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